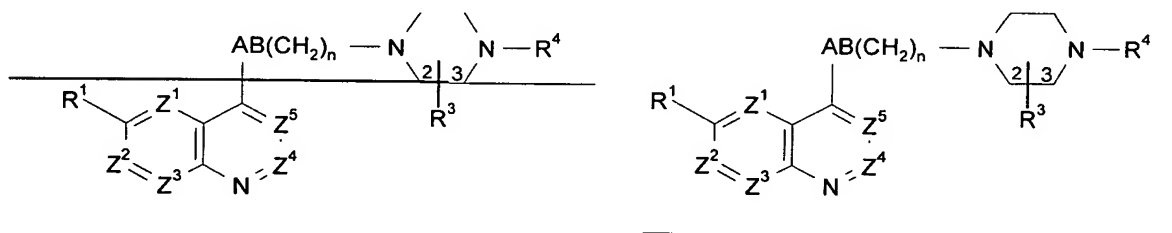


**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**1 (Currently Amended).** A compound of formula (I) or a pharmaceutically acceptable derivative **salt and/or N-oxide** thereof:



(I)

wherein:

one of Z<sup>1</sup>, Z<sup>2</sup>, Z<sup>3</sup>, Z<sup>4</sup> and Z<sup>5</sup> is N, one is CR<sup>1a</sup> and the remainder are CH, or one of Z<sup>1</sup>, Z<sup>2</sup>, Z<sup>3</sup>, Z<sup>4</sup> and Z<sup>5</sup> is CR<sup>1a</sup> and the remainder are CH;

R<sup>1</sup> is selected from hydroxy; (C<sub>1-6</sub>) alkoxy optionally substituted by (C<sub>1-6</sub>)alkoxy, amino, piperidyl, guanidino or amidino optionally N-substituted by one or two (C<sub>1-6</sub>)alkyl, acyl or (C<sub>1-6</sub>)alkylsulphonyl groups, NH<sub>2</sub>CO, hydroxy, thiol, (C<sub>1-6</sub>)alkylthio, heterocyclylthio, heterocyclyloxy, arylthio, aryloxy, acylthio, acyloxy or (C<sub>1-6</sub>)alkylsulphonyloxy; (C<sub>1-6</sub>)alkoxy-substituted (C<sub>1-6</sub>)alkyl; halogen; (C<sub>1-6</sub>)alkyl; (C<sub>1-6</sub>)alkylthio; nitro; azido; acyl; acyloxy; acylthio; (C<sub>1-6</sub>)alkylsulphonyl; (C<sub>1-6</sub>)alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C<sub>1-6</sub>)alkyl, acyl or (C<sub>1-6</sub>)alkylsulphonyl groups, or when one of Z<sup>1</sup>, Z<sup>2</sup>, Z<sup>3</sup>, Z<sup>4</sup> and Z<sup>5</sup> is N, R<sup>1</sup> may instead be hydrogen;

R<sup>1a</sup> is selected from H and the groups listed above for R<sup>1</sup>;

R<sup>3</sup> is hydrogen; or

R<sup>3</sup> is in the 2- or 3-position and is:

carboxy; (C<sub>1-6</sub>)alkoxycarbonyl; aminocarbonyl wherein the amino group is optionally substituted by hydroxy, (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylsulphonyl, trifluoromethylsulphonyl, (C<sub>1-6</sub>)alkenylsulphonyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl and optionally further substituted by (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; cyano; tetrazolyl; 2-oxo-oxazolidinyl optionally substituted by R<sup>10</sup>; 3-hydroxy-3-cyclobutene-1,2-dione-4-yl; 2,4-thiazolidinedione-5-yl; tetrazol-5-ylaminocarbonyl; 1,2,4-triazol-5-yl optionally substituted by R<sup>10</sup>; or 5-oxo-1,2,4-oxadiazol-3-yl; or

R<sup>3</sup> is in the 2- or 3-position and is (C<sub>1-4</sub>)alkyl or ethenyl optionally substituted with any of the groups listed above for R<sup>3</sup> and/or 0 to 3 groups R<sup>12</sup> independently selected from:

thiol; halogen; (C<sub>1-6</sub>)alkylthio; trifluoromethyl; azido; (C<sub>1-6</sub>)alkoxycarbonyl; (C<sub>1-6</sub>)alkylcarbonyl; (C<sub>2-6</sub>)alkenyloxycarbonyl; (C<sub>2-6</sub>)alkenylcarbonyl; hydroxy optionally substituted by (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylcarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl; amino optionally mono- or disubstituted by (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl, (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylsulphonyl, (C<sub>2-6</sub>)alkenylsulphonyl or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl and optionally further substituted by (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; oxo; (C<sub>1-6</sub>)alkylsulphonyl; (C<sub>2-6</sub>)alkenylsulphonyl; or (C<sub>1-6</sub>)aminosulphonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; provided that when R<sup>3</sup> is disubstituted with hydroxy or amino and carboxy containing substituents these may optionally together form a cyclic ester or amide linkage, respectively;

wherein  $R^{10}$  is selected from  $(C_{1-4})$ alkyl;  $(C_{2-4})$ alkenyl; aryl; a group  $R^{12}$  as defined above; carboxy; aminocarbonyl wherein the amino group is optionally substituted by hydroxy,  $(C_{1-6})$ alkyl,  $(C_{2-6})$ alkenyl,  $(C_{1-6})$ alkylsulphonyl, trifluoromethylsulphonyl,  $(C_{1-6})$ alkenylsulphonyl,  $(C_{1-6})$ alkoxycarbonyl,  $(C_{1-6})$ alkylcarbonyl,  $(C_{2-6})$ alkenyloxycarbonyl or  $(C_{2-6})$ alkenylcarbonyl and optionally further substituted by  $(C_{1-6})$ alkyl or  $(C_{2-6})$ alkenyl; cyano; or tetrazolyl;

$R^4$  is a group  $-CH_2-R^5$  in which  $R^5$  is selected from:

$(C_{3-12})$ alkyl; hydroxy $(C_{3-12})$ alkyl;  $(C_{1-12})$ alkoxy $(C_{3-12})$ alkyl;  $(C_{1-12})$ alkanoyloxy $(C_{3-12})$ alkyl;  $(C_{3-6})$ cycloalkyl $(C_{3-12})$ alkyl; hydroxy-,  $(C_{1-12})$ alkoxy- or  $(C_{1-12})$ alkanoyloxy- $(C_{3-6})$ cycloalkyl $(C_{3-12})$ alkyl; cyano $(C_{3-12})$ alkyl;  $(C_{2-12})$ alkenyl;  $(C_{2-12})$ alkynyl; tetrahydrofuryl; mono- or di- $(C_{1-12})$ alkylamino $(C_{3-12})$ alkyl; acylamino $(C_{3-12})$ alkyl;  $(C_{1-12})$ alkyl- or acyl-aminocarbonyl $(C_{3-12})$ alkyl; mono- or di-  $(C_{1-12})$ alkylamino(hydroxy)  $(C_{3-12})$ alkyl; optionally substituted phenyl $(C_{1-2})$ alkyl, phenoxy $(C_{1-2})$ alkyl or phenyl(hydroxy) $(C_{1-2})$ alkyl; optionally substituted diphenyl $(C_{1-2})$ alkyl; optionally substituted phenyl $(C_{2-3})$ alkenyl; optionally substituted benzoyl or benzoyl $(C_{1-3})$ alkyl; optionally substituted heteroaryl or heteroaryl $(C_{1-2})$ alkyl; and optionally substituted heteroaroyl or heteroaroylmethyl;

n is 0, 1 or 2;

AB is  $NR^{11}CO$ ,  $CO-CR^8R^9$  or  $CR^6R^7-CR^8R^9$  or when n is 1 or 2, AB may instead be  $O-CR^8R^9$  or  $NR^{11}-CR^8R^9$ , or when n is 2 AB may instead be  $CR^6R^7-NR^{11}$  or  $CR^6R^7-O$ , provided that when n is 0, B is not  $CH(OH)$ ,

and wherein:

each of  $R^6$  and  $R^7$ ,  $R^8$  and  $R^9$  is independently selected from: H; thiol;  $(C_{1-6})$ alkylthio; halo; trifluoromethyl; azido;  $(C_{1-6})$ alkyl;  $(C_{2-6})$ alkenyl;  $(C_{1-6})$ alkoxycarbonyl;  $(C_{1-6})$ alkylcarbonyl;  $(C_{2-6})$ alkenyloxycarbonyl;  $(C_{2-6})$ alkenylcarbonyl; hydroxy, amino or aminocarbonyl optionally substituted as for corresponding substituents in  $R^3$ ;  $(C_{1-6})$ alkylsulphonyl;  $(C_{2-6})$ alkenylsulphonyl; or  $(C_{1-6})$ aminosulphonyl wherein the amino group is optionally substituted by  $(C_{1-6})$ alkyl or  $(C_{1-6})$ alkenyl; or  $R^6$  and  $R^8$  together represent a bond and  $R^7$  and  $R^9$  are as above defined; and each  $R^{11}$  is independently H, trifluoromethyl,  $(C_{1-6})$ alkyl,  $(C_{1-6})$ alkenyl,  $(C_{1-6})$ alkoxycarbonyl,  $(C_{1-6})$ alkylcarbonyl, aminocarbonyl wherein the amino group is optionally substituted by  $(C_{1-6})$ alkoxycarbonyl,  $(C_{1-6})$ alkylcarbonyl,

(C<sub>12-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl, (C<sub>1-6</sub>)alkyl or (C<sub>12-6</sub>)alkenyl and optionally further substituted by (C<sub>1-6</sub>)alkyl or (C<sub>12-6</sub>)alkenyl;

or where one of R<sup>3</sup> and R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup> or R<sup>9</sup> contains a carboxy group and the other contains a hydroxy or amino group they may together form a cyclic ester or amide linkage

**wherein**

**'heterocyclic' is an aromatic and non-aromatic, single or fused, ring containing up to four hetero-atoms in each ring selected from oxygen, nitrogen and sulphur, and having from 4 to 7 ring atoms, which rings may be unsubstituted or substituted by up to three groups selected from amino, halogen, (C<sub>1-6</sub>)alkyl, (C<sub>1-6</sub>)alkoxy, halo(C<sub>1-6</sub>)alkyl, hydroxy, carboxy, carboxy salts, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkoxycarbonyl(C<sub>1-6</sub>)alkyl, aryl, and oxo groups, and wherein any amino group forming part of a single or fused non-aromatic heterocyclic ring as defined above is optionally substituted by (C<sub>1-6</sub>)alkyl optionally substituted by hydroxy, (C<sub>1-6</sub>)alkoxy, thiol, (C<sub>1-6</sub>)alkylthio, halo or trifluoromethyl, acyl or (C<sub>1-6</sub>)alkylsulphonyl groups;**

**'aryl' is phenyl or naphthyl, optionally substituted with up to five groups selected from halogen, mercapto, (C<sub>1-6</sub>)alkyl, phenyl, (C<sub>1-6</sub>)alkoxy, hydroxy(C<sub>1-6</sub>)alkyl, mercapto (C<sub>1-6</sub>)alkyl, halo(C<sub>1-6</sub>)alkyl, hydroxy, amino, nitro, cyano, carboxy, (C<sub>1-6</sub>)alkylcarbonyloxy, (C<sub>1-6</sub>)alkoxycarbonyl, formyl and (C<sub>1-6</sub>)alkylcarbonyl groups;**

**'acyl' is (C<sub>1-6</sub>)alkoxycarbonyl, formyl or (C<sub>1-6</sub>) alkylcarbonyl.**

2\_(Original). A compound according to claim 1 wherein one of Z<sup>1</sup>, Z<sup>2</sup>, Z<sup>3</sup>, Z<sup>4</sup> and Z<sup>5</sup> is N and one of Z<sup>3</sup> and Z<sup>5</sup> if not N is CR<sup>1a</sup> and the remainder are CH, or one of Z<sup>1</sup>, Z<sup>2</sup>, Z<sup>3</sup>, Z<sup>4</sup> and Z<sup>5</sup> is CR<sup>1a</sup> and the remainder are CH.

3 (Currently Amended). A compound according to claim 2 wherein Z<sup>5</sup> is CH or N, Z<sup>3</sup> is CH or CF and Z<sup>1</sup>, Z<sup>2</sup> and Z<sup>4</sup> are each CH, or Z<sup>1</sup> is N, Z<sup>3</sup> is CH or CF and Z<sup>2</sup>, Z<sup>4</sup> and Z<sup>5</sup> are each CH.:

4. (Previously Presented). A compound according to claim 1 wherein R<sup>1</sup> is methoxy, amino(C<sub>3-5</sub>)alkyloxy, guanidino(C<sub>3-5</sub>)alkyloxy, piperidyl(C<sub>3-5</sub>)alkyloxy, nitro or fluoro.

**5 (Currently Amended).** A compound according to claim 1 wherein R<sup>3</sup> is hydrogen, (C<sub>1-4</sub>) alkyl, ethenyl or optionally substituted 1-hydroxy-(C<sub>1-4</sub>) alkyl; or R<sup>3</sup> contains carboxy, optionally substituted aminocarbonyl, cyano or 2-oxo-oxazolidinyl optionally substituted by R<sup>10</sup>; and wherein R<sup>3</sup> is in the 3-position.

**6 (Previously Presented).** A compound according to claim 1 wherein n is 0 and either A is CHOH and B is CH<sub>2</sub> or A is NH and B is CO.

**7 (Previously Presented).** A compound according to claim 1 wherein R<sup>4</sup> is (C<sub>5-10</sub>)alkyl, unsubstituted phenyl(C<sub>2-3</sub>)alkyl or unsubstituted phenyl(C<sub>3-4</sub>)alkenyl.

**8 (Currently Amended).** A compound according to claim 1 selected from:

[2S]-1-Heptyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]-2-hydroxymethylpiperazine; [2R]-1-Heptyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]-2-hydroxymethylpiperazine;

[2S]-1-Heptyl-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]-2-hydroxymethylpiperazine dioxalate;

[2S]-1-Heptyl-4-[2-(S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]-2-hydroxymethylpiperazine dioxalate;

[2R]-1-Heptyl-4-[2-(S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]-2-hydroxymethylpiperazine dioxalate;

[2R]-1-Heptyl-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]-2-hydroxymethylpiperazine dioxalate;

[2R,S]-1-Heptyl-2-hydroxyethyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine;

[2R,S]-2-Carboxymethyl-1-heptyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine trihydrochloride;

[2S]-2-Carboxymethyl-1-heptyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine trihydrochloride;

[2R]-2-Carboxymethyl-1-heptyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine trihydrochloride ;

[3R]-3-Carboxymethyl-1-heptyl-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine tris(trifluoroacetate) ;

[3S]-1-Heptyl-3-[2-hydroxyethyl]-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine dioxalate ;

[2S]-1-Heptyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]-2-hydroxyaminocarbonylmethylpiperazine ;

[2R]-1-Heptyl-2-cyanomethyl-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine dioxalate ;

[2R]-1-Heptyl-2-[2-aminoethyl]-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine dioxalate ;

1-Heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperazine } ;

1-Heptyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine ;

1-Heptyl-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine oxalate ;

1-Heptyl-4-[2-(S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine oxalate ;

1-Octyl-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine oxalate ;

1-Hexyl-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine oxalate } ; 1-(5-Methyl-1-hexyl)-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine oxalate ;

1-Heptyl-4-[N-(6-methoxyquinolin-4-yl)formamido]piperazine ;

[9aS, 3S]-3-(6-methoxyquinolin-4-yl)-8-heptylhexahydropyrazino [2,1-c][1,4]oxazin-3(4H)-one ;

[9aS,3R]-3-(6-methoxyquinolin-4-yl)-8-heptylhexahydropyrazino[2,1-c][1,4]oxazin-3(4H)-one ;

[9aR,3R]-(6-methoxy quinolin-4-yl)-8-heptylhexahydropyrazino[2,1-c][1,4]oxazine-3(4H)-one ;

[9aR,3S]-3-(6-methoxy quinolin-4-yl)-8-heptylhexahydropyrazino[2,1-c][1,4]oxazine-3(4H)-one ;

[3R]-1-Heptyl-3-[2-hydroxyethyl]-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine oxalate ;

[3R]-1-Heptyl-3-hydroxymethyl-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine ;

[3S]-1-Heptyl-3-hydroxymethyl-4-[2-(S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine ;

[3S]-1-Heptyl-3-hydroxymethyl-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine ;

[3R]-1-Heptyl-3-hydroxymethyl-4-[2-(S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine ;

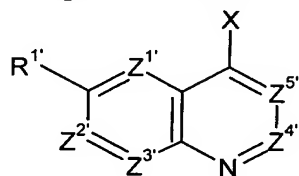
1-(3-phenoxypropyl)-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine ;

1-[3-(3,4-Dimethoxyphenyl)-propyl]-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine ; and

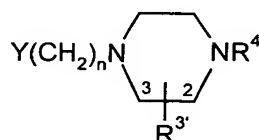
1-[3-(1,3-Dihydro-2-oxobenzimidazol-1-yl)-propyl]-4-[2-(R)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperazine

**9 (Currently Amended).** A process for preparing compounds of formula (I), or a pharmaceutically acceptable **derivative salt and/or N-oxide** thereof according to claim 1, which process comprises:

(a) reacting a compound of formula (IV) with a compound of formula (V):



(IV)



(V)

wherein Z<sup>1</sup>, Z<sup>2</sup>, Z<sup>3</sup>, Z<sup>4</sup> and Z<sup>5</sup>, m, n, R<sup>1</sup>, R<sup>3</sup> and R<sup>4</sup> are as defined in formula (I), and X and Y may be the following combinations:

- (i) X is M and Y is CH<sub>2</sub>CO<sub>2</sub>R<sup>x</sup>, CH<sub>2</sub>CHO or CH<sub>2</sub>COW
- (ii) X is CO<sub>2</sub>R<sup>y</sup> and Y is CH<sub>2</sub>CO<sub>2</sub>R<sup>x</sup>
- (iii) one of X and Y is CH=SPh<sub>2</sub> and the other is CHO
- (iv) X is CH<sub>3</sub> and Y is CHO
- (v) X is CH<sub>3</sub> and Y is CO<sub>2</sub>R<sup>x</sup>
- (vi) X is CH<sub>2</sub>CO<sub>2</sub>R<sup>y</sup> and Y is CO<sub>2</sub>R<sup>x</sup>
- (vii) X is CH=PR<sup>z</sup><sub>3</sub> and Y is CHO
- (viii) X is CHO and Y is CH=PR<sup>z</sup><sub>3</sub>
- (ix) X is halogen and Y is CH=CH<sub>2</sub>
- (x) one of X and Y is COW and the other is NHR<sup>11'</sup> ~~or NCO~~
- (xi) one of X and Y is (CH<sub>2</sub>)<sub>p</sub>-W and the other is (CH<sub>2</sub>)<sub>q</sub>NHR<sup>11'</sup> or (CH<sub>2</sub>)<sub>q</sub>OH
- (xii) one of X and Y is CHO and the other is NHR<sup>11'</sup>,

or where n=0

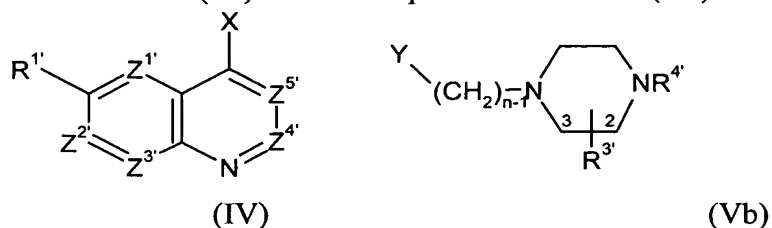
- (xiii) X is A-B-(CH<sub>2</sub>)<sub>n</sub>-W or A-B-(CH<sub>2</sub>)<sub>n-1</sub>-CHO and Y is H
- (xiv) X is NCO and Y is H
- (xv) X is CH<sub>3</sub> and Y is H
- (xvi) X is COCH<sub>2</sub>W and Y is H
- (xvii) X is CH=CH<sub>2</sub> and Y is H

(xviii) X is oxirane and Y is H

in which W is a leaving group,  $R^X$  and  $R^Y$  are  $(C_{1-6})$ alkyl and  $R^Z$  is aryl or  $(C_{1-6})$ alkyl;

or

(b) reacting a compound of formula (IV) with a compound of formula (Vb):



wherein  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$  and  $Z^5$ , m, n,  $R^1$ ,  $R^3$  and  $R^4$  are as defined in formula (I), X is  $CH_2NHR^{11'}$  and Y is CHO or COW;

in which  $Z^{1'}$ ,  $Z^{2'}$ ,  $Z^{3'}$ ,  $Z^{4'}$ ,  $Z^{5'}$ ,  $R^{11'}$ ,  $R^1$ ,  $R^3$  and  $R^4$  are  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ ,  $R^{11}$ ,  $R^1$ ,  $R^3$  and  $R^4$  or groups convertible thereto, and thereafter optionally or as necessary converting  $Z^{1'}$ ,  $Z^{2'}$ ,  $Z^{3'}$ ,  $Z^{4'}$ ,  $Z^{5'}$ ,  $R^{11'}$ ,  $R^1$ ,  $R^3$  and  $R^4$  to  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ ,  $R^{11}$ ,  $R^1$ ,  $R^3$  and  $R^4$ , converting A-B to other A-B, interconverting  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ ,  $R^{11}$ ,  $R^1$ ,  $R^3$  and/or  $R^4$  and forming a pharmaceutically acceptable derivative salt/and or N-oxide thereof.

**10 (Currently Amended).** A pharmaceutical composition comprising a compound of formula (I) or a pharmaceutically acceptable derivative salt/and or N-oxide thereof according to claim 1, and a pharmaceutically acceptable carrier.

**11 (Currently Amended).** A method of treatment of bacterial infections in mammals, particularly in man, which method comprises the administration to a mammal in need of such treatment of an effective amount of a compound of formula (I) or a pharmaceutically acceptable derivative salt/and or N-oxide thereof according to claim 1.

12. (Cancelled).

13. (Cancelled).